

From: "Coffey, Scott" <CoffeySE@cdmsmith.com>  
To: "John Kern" (b) (6)  
CC: "Sheldrake, Sean" <sheldrake.sean@epa.gov>  
"Gustavson, Karl" <Gustavson.Karl@epa.gov>  
"Zhen, Davis" <Zhen.Davis@epa.gov>  
younghs@cdmsmith.com  
Date: 5/2/2018 11:56:19 AM  
Subject: FW: protocol to Karl deliberative

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See Howard's response to John's other comments

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**From:** Young, Howard S.  
**Sent:** Wednesday, May 02, 2018 11:52 AM  
**To:** Coffey, Scott <CoffeySE@cdmsmith.com>  
**Subject:** RE: protocol to Karl deliberative

The 6 cm minimum depth was somewhat arbitrary. They need 20 oz (volume) of sediment to put into the composite at each grab. 6 cm is more than enough but I put 6 to make sure it was easy to collect enough sample. Maybe write is as nonspecific.

The 5 foot separation between regrabs was to avoid dropping on top of old grabs but we don't have to specify

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**From:** Coffey, Scott  
**Sent:** Wednesday, May 02, 2018 11:46 AM  
**To:** John Kern (b) (6)  
**Cc:** Sheldrake, Sean <sheldrake.sean@epa.gov>; Gustavson, Karl <Gustavson.Karl@epa.gov>; Zhen, Davis <Zhen.Davis@epa.gov>; Young, Howard S. <younghs@cdmsmith.com>  
**Subject:** RE: protocol to Karl deliberative

Generally yes, success comes, **but** sometimes only after significant effort and time is incurred following the FSP contingency plan, which the Pre-RD Group Contractors (AECOM and Geosyntec) want to relieve themselves from.

#### **According to current FSP protocol contingency plan**

When they hit debris, or refusal (rock) and not making penetration threshold depths, they have to try 3 times within the 25 ft radius of the Primary location and then try 3 more times in the 50 ft radius of the Prime Location. Note: They need to collect 3 grabs to make a sample, so **worst case scenario** facing up to 5 potentially failed grab attempts within the 25 ft radius, and 5 more failed grab attempts in the 50ft radius (potentially 10 failed grab attempts) before being allowed to move to the alternative location. I understand worst case scenario is pretty rare, but it is occurring somewhere between ideal (3 grabs) and worst case (10 grabs). We know of 3 times they didn't follow this full procedure and implemented their own shortcut (which violated FSP protocol).

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**From:** John Kern (b) (6)  
**Sent:** Wednesday, May 02, 2018 11:46 AM  
**To:** Coffey, Scott <CoffeySE@cdmsmith.com>  
**Cc:** Sheldrake, Sean <sheldrake.sean@epa.gov>; Gustavson, Karl <Gustavson.Karl@epa.gov>; Zhen, Davis <Zhen.Davis@epa.gov>; Young, Howard S. <younghs@cdmsmith.com>  
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I'm not arguing for inclusion of other areas, but just wanting to make sure I understand what they are doing in other situations. Pretty sure I understand that these other cases ultimately result in a successful grab on subsequent attempt at essentially the same location. Right?

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On Wed, May 2, 2018 at 2:22 PM, Coffey, Scott <[CoffeySE@cdmsmith.com](mailto:CoffeySE@cdmsmith.com)> wrote:

Thanks John!

All of your changes make sense to me. I note the one comment suggesting a discussion on whether or not this should only apply to Hard Sediment conditions, or maybe expand to other conditions upon which the current FSP contingency protocol is to be followed.

Do you have time to discuss this before our meeting at 3pm Pacific? I just want to be on the same page and have this decided on before going into this meeting with the Pre-RD Group. Let me know the best time and I'll try round up as many folks on this email as possible. **This would be a critical pre-meeting conference call to finalize this alternative approach.**

**From:** John Kern (b) (6)  
**Sent:** Wednesday, May 2, 2018, 10:26 AM  
**To:** Coffey, Scott <[CoffeySE@cdmsmith.com](mailto:CoffeySE@cdmsmith.com)>  
**Cc:** Sheldrake, Sean <[sheldrake.sean@epa.gov](mailto:sheldrake.sean@epa.gov)>; Gustavson, Karl <[Gustavson.Karl@epa.gov](mailto:Gustavson.Karl@epa.gov)>; Zhen, Davis <[Zhen.Davis@epa.gov](mailto:Zhen.Davis@epa.gov)>; Young, Howard S. <[younghs@cdmsmith.com](mailto:younghs@cdmsmith.com)>  
**Subject:** Re: protocol to Karl deliberative

I inserted some edits and questions in the attached. Open to discussion as needed

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On Wed, May 2, 2018 at 1:31 PM, Coffey, Scott <[CoffeySE@cdmsmith.com](mailto:CoffeySE@cdmsmith.com)> wrote:

Yes. Understood.

I connected with John Kern and he's reviewing and likely refining/supplementing our draft capture of that approach.

I'm anticipating that to come in at any moment and John was going to send that out directly to all included in this email.

I also confirmed that John is participating in the call later this afternoon.

Scott

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**From:** Sheldrake, Sean <[sheldrake.sean@epa.gov](mailto:sheldrake.sean@epa.gov)>  
**Sent:** Wednesday, May 02, 2018 10:26 AM  
**To:** Coffey, Scott <[CoffeySE@cdmsmith.com](mailto:CoffeySE@cdmsmith.com)>  
**Cc:** Gustavson, Karl <[Gustavson.Karl@epa.gov](mailto:Gustavson.Karl@epa.gov)>; Zhen, Davis <[Zhen.Davis@epa.gov](mailto:Zhen.Davis@epa.gov)>  
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Scott, just a reminder to send the latest proposed protocol on sample depth to all, please. Thank you!

S

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